

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/28705

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L12/28 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|----------------------------------|
| X | US 5 909 564 A (SMITH BRADLEY H ET AL) 1 June 1999 (1999-06-01) column 1, line 35 -column 2, line 28 column 3, line 26 -column 5, line 64 column 7, line 5 - line 26 | 15,18, 19, 23-25, 30,31 |
| Y | | 1,3-5, 8-12,16, 22,29 |
| A | | 6,13,17, 20,26 |
| P,X | EP 1 133 129 A (TEXAS INSTRUMENTS INC) 12 September 2001 (2001-09-12) column 4, line 33 -column 8, line 28 column 9, line 17 - line 43 | 15 |
| P,Y | | 16 |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

31 July 2002

Date of mailing of the international search report

06/08/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Brichau, G

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/28705

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|--------------------------|
| X | EP 0 640 927 A (TEXAS INSTRUMENTS INC ;TEXAS INSTRUMENTS LTD (GB)) 1 March 1995 (1995-03-01) page 3, line 5 - line 19 page 5, line 30 -page 9, line 19; figure 3 page 21, line 36 -page 22, line 20 ----- | 15,17 |
| Y | KORBA L: "Security system for wireless local area networks" PERSONAL, INDOOR AND MOBILE RADIO COMMUNICATIONS, 1998. THE NINTH IEEE INTERNATIONAL SYMPOSIUM ON BOSTON, MA, USA 8-11 SEPT. 1998, NEW YORK, NY, USA,IEEE, US, 8 September 1998 (1998-09-08), pages 1550-1554, XP010314697 ISBN: 0-7803-4872-9 page 1, right-hand column, paragraph 1 -page 2, right-hand column, paragraph 2 ----- | 1,3-5, 8-12,22, 29 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/28705

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| US 5909564 | A | 01-06-1999 | CA 2233276 A1 | 27-09-1998 |
| | | | CA 2201184 A1 | 27-09-1998 |
| EP 1133129 | A | 12-09-2001 | EP 1133129 A2 | 12-09-2001 |
| | | | JP 2002084340 A | 22-03-2002 |
| | | | US 2002078249 A1 | 20-06-2002 |
| | | | US 2002078247 A1 | 20-06-2002 |
| EP 0640927 | A | 01-03-1995 | EP 0640927 A1 | 01-03-1995 |
| | | | JP 7226750 A | 22-08-1995 |

